

## WMS Number WMS Primer Left

## WMS Primer Right

Length in "ds") Annealing  
Repeat Type Temperature

WMS Number	WMS Primer Left	WMS Primer Right	Length in "ds")	Repeat	Type	Temperature
WMS052	5' CTA TGA GGC GGA GGT TGA AG 3' (SEQ. ID NO. 1)	5' TCC GGT GCT CTT CCA TTT 3' (SEQ. ID NO. 2)	150	G	Timp	40 °C
WMS053	5' GCA TCT GGT ACA CTA CCT GCC 3' (SEQ. ID NO. 3)	5' TCA TGG ATG CATCAC ATCCCT 3' (SEQ. ID NO. 4)	127	C	Timp	60 °C
WMS057	5' TCG ATT CTG AAA GGT TCA TCG 3' (SEQ. ID NO. 5)	5' CGA TCA AGT AGT TGA AAG CGC 3' (SEQ. ID NO. 6)	224	AAAAA	Imp	60 °C
WMS058	5' TCT GAT CCC GTG AGT GTA ACA 3' (SEQ. ID NO. 7)	5' GAA AAA ATT TGC ATA TGA GCC C 3' (SEQ. ID NO. 8)	118	CA		60 °C
WMS060	5' TGT CCT ACA CGG ACC ACCT 3' (SEQ. ID NO. 9)	5' GCA TTG ACA GAT GCA CAC G 3' (SEQ. ID NO. 10)	211	CA		60 °C
WMS063	5' TCG ACC TGA TCG CCC CTA 3' (SEQ. ID NO. 11)	5' CGC CCT CGG TGA TGA ATA GT 3' (SEQ. ID NO. 12)	271	GA,CA,TA		60 °C
WMS067	5' ACC ACA CAA ACA AGG TAA GCG 3' (SEQ. ID NO. 13)	5' CAA CCC TCT TAA TTTCCTTGG G 3' (SEQ. ID NO. 14)	85	CA		60 °C
WMS068	5' AGG CCA GAA GGT TGT GGG AAT G 3' (SEQ. ID NO. 15)	5' CTC CCT AGA TGG QAG AAG GG 3' (SEQ. ID NO. 16)	182	GA		60 °C
WMS070	5' AGT GCT TGT GAG AGT GTC AT 3' (SEQ. ID NO. 17)	5' GGC CATTAC CGA CGA CAC 3' (SEQ. ID NO. 18)	194	GT		60 °C
WMS071	5' GGC AGA GCA CGG AGA CTC 3' (SEQ. ID NO. 19)	5' CAA GTG GAG CAT TAG GTA CAC G 3' (SEQ. ID NO. 20)	128	GT		60 °C
WMS077	5' ACA AAG GTA AGC AGC ACC TG 3' (SEQ. ID NO. 21)	5' ACC CTC TGT CGC GTC TTG 3' (SEQ. ID NO. 22)	153	CA,GA		55 °C
WMS082	5' AGC TTA GAA GGT GCA ATG GG 3' (SEQ. ID NO. 23)	5' AGT GGA TGC ACC GAC TTT G 3' (SEQ. ID NO. 24)	152	GT,GAG		60 °C
WMS088	5' CACTAC AACTAT GGG CTC GC 3' (SEQ. ID NO. 25)	5' TCC ATT GGC TTC TCT CTC AA 3' (SEQ. ID NO. 26)	121	GT		60 °C
WMS095	5' GAT CAA ACA CAC ACC CCT CC 3' (SEQ. ID NO. 27)	5' AAT GCA AAG TGA AAA ACC CG 3' (SEQ. ID NO. 28)	121	CA		60 °C
WMS099	5' AAG ATG GAC GTA TGC ATC ACA 3' (SEQ. ID NO. 29)	5' GCC ATT TTT GAT GAC GCA TA 3' (SEQ. ID NO. 30)	119	CA		60 °C
WMS102	5' TCT CCC ATC CAA COC CTC 3' (SEQ. ID NO. 31)	5' GGT TGG TGG CTT GACTAT TG 3' (SEQ. ID NO. 32)	143	CT		60 °C
WMS106	5' CTG TTC TTG CGT GGC ATT AA 3' (SEQ. ID NO. 33)	5' ATT AAG GAC ACA ATT GGG ATG G 3' (SEQ. ID NO. 34)	139	GA		60 °C
WMS107	5' ATT ATT ACC TCA GGG AGG TOC 3' (SEQ. ID NO. 35)	5' GGT CTC AUG AGC AAG AAC AC 3' (SEQ. ID NO. 36)	195	CT		60 °C
WMS108	5' CGA CGA TGG GGT CTT AGCT 3' (SEQ. ID NO. 37)	5' TOC ACA CTT AAA TTA CAT CGG C 3' (SEQ. ID NO. 38)	132	G	Timp	60 °C
WMS111	5' TCT GTA GAC TCT CTC CGA CTG 3' (SEQ. ID NO. 39)	5' ACC TGA TCA GAT CCC ACT CG 3' (SEQ. ID NO. 40)	205	CT,GT		55 °C
WMS112	5' CTA AAC ACC ACA CGG GTG G 3' (SEQ. ID NO. 41)	5' GAT ATG TGA GCA CGG GTC AG 3' (SEQ. ID NO. 42)	101	CT		55 °C
WMS113	5' ATT CGA GGT TGT GAG GAA GAG G 3' (SEQ. ID NO. 43)	5' GAG GGT CGG CCT ATA AAG CC 3' (SEQ. ID NO. 44)	148	GT		60 °C
WMS114	5' ACA AAC AGA AAA TCA AAA CGCG 3' (SEQ. ID NO. 45)	5' ATC CAT CGC CAT TGT AGT G 3' (SEQ. ID NO. 46)	206	GA		60 °C
WMS118	5' GAT GTT GCC ACT TGA GCA TG 3' (SEQ. ID NO. 47)	5' GATTAG TCA AAT GGA ACA CGCC C 3' (SEQ. ID NO. 48)	177			
WMS119	5' TGA CTA ACA TCC TTT GTG ACAG 3' (SEQ. ID NO. 49)	5' CAT GTG TCA ACC ACC CAC AG 3' (SEQ. ID NO. 50)	181	G	Timp	55 °C

WMS120	5' GAT CCA CCT TCC TCT CTG CTC 3'	(SEQ. ID NO. 51)	5' GAT TAT ACT GGT GCC GAA AC 3'	(SEQ. ID NO. 52)	139	CT,CA	55 °C
WMS121	5' TCC TCT ACA AAC AAA AAC CAC AC 3'	(SEQ. ID NO. 53)	5' CTC GCA ACT AGA GGT GTA TG 3'	(SEQ. ID NO. 54)	143	CA	50 °C
WMS122	5' GGG TGG GAG AAA GGA GAT G 3'	(SEQ. ID NO. 55)	5' AAA CCA TCC TCC ATC CTG G 3'	(SEQ. ID NO. 56)	149	CT,CA	60 °C
WMS124	5' GGC ATG GCT ATC ACC CAG 3'	(SEQ. ID NO. 57)	5' ACT GTT CGG TGC AAT TTG AG 3'	(SEQ. ID NO. 58)	213	CT,CTimp	60 °C
WMS126	5' CAC ACG CTC CAC CAT GAC 3'	(SEQ. ID NO. 59)	5' GTT GAG TTG ATG CGG GAG G 3'	(SEQ. ID NO. 60)	196	CA	60 °C
WMS128	5' AGC ACA TTT TAA CAC AOA TA 3'	(SEQ. ID NO. 61)	5' ATC TGT GAA ATT TTG AAA AC 3'	(SEQ. ID NO. 62)	176	CA	50 °C
WMS129	5' TCA GTG GGC AAG CTA CAC AG 3'	(SEQ. ID NO. 63)	5' AAA ACT TAG TAG CCG CGT 3'	(SEQ. ID NO. 64)	221	CTimp	55 °C
WMS130	5' AGC TCT OCT TCA CGA CGA AG 3'	(SEQ. ID NO. 65)	5' CTC CTC TTT ATA TCG CGT CCC 3'	(SEQ. ID NO. 66)	113	CT	60 °C
WMS131	5' AAT CCC CAC CGA TTC TTC TC 3'	(SEQ. ID NO. 67)	5' ACT TTG TGG GTC TCT GAT GG 3'	(SEQ. ID NO. 68)	131	CT	60 °C
WMS132	5' TAC CAA ATC GAA ACA CAT CAG G 3'	(SEQ. ID NO. 69)	5' CAT ATC AAG GTC TCC TTC CCC 3'	(SEQ. ID NO. 70)	119	GA,GAA	60 °C
WMS133	5' ATC TAA ACA AGA CGG CGG TG 3'	(SEQ. ID NO. 71)	5' ATC TGT GAC AAC CGG TGA GA 3'	(SEQ. ID NO. 72)	118	CT	60 °C
WMS134	5' CAT CGA ACT TAG ACA GAA TTG 3'	(SEQ. ID NO. 73)	5' CAG TAC TTG GTC CTG AAC AGG 3'	(SEQ. ID NO. 74)	111	CA	60 °C
WMS135	5' TGT CAA CAT CGT TTT GAA AAG G 3'	(SEQ. ID NO. 75)	5' ACA CTG TCA ACC TTG CAA TG 3'	(SEQ. ID NO. 76)	143	GA	55 °C
WMS136	5' GAC AGC ACC TTG CCC TTT G 3'	(SEQ. ID NO. 77)	5' CAT CGG CAA CAT GCT CAT C 3'	(SEQ. ID NO. 78)	296	CT	60 °C
WMS140	5' ATG GAG ATA TTT GGC CTA CAA C 3'	(SEQ. ID NO. 79)	5' CTT GACT TTC AAC GGG TGA CA 3'	(SEQ. ID NO. 80)	251	CT	55 °C
WMS144	5' TTT GCT GTG GTC GTC AAC ATA C 3'	(SEQ. ID NO. 81)	5' ACT CAC AAA TGT CTA ATA AAAC 3'	(SEQ. ID NO. 82)	200	CT	55 °C
WMS146	5' CCA AAA AAA CTG CCT GCA TG 3'	(SEQ. ID NO. 83)	5' CTC TGG CAT TGC TCC TTGG 3'	(SEQ. ID NO. 84)	162	GAimp	60 °C
WMS148	5' GTG AGC CAG CAA GAG AGA AA 3'	(SEQ. ID NO. 85)	5' CAA AGC TTG ACT CAG ACC AAA 3'	(SEQ. ID NO. 86)	163	CA	60 °C
WMS149	5' CAT TGT TTT CTC CCT CTA GCC 3'	(SEQ. ID NO. 87)	5' CTA GCA TCG AAC CTG AAC AAG 3'	(SEQ. ID NO. 88)	161	GA	55 °C
WMS153	5' GAT CTC GTC ACC CGG AAT TC 3'	(SEQ. ID NO. 89)	5' TCG TAG AGA AGG AGG GAG AG 3'	(SEQ. ID NO. 90)	188	GA	60 °C
WMS154	5' TCA CAG AGA GAG AGG GAG G 3'	(SEQ. ID NO. 91)	5' ATG TGT ACA TGT TGC CTG CA 3'	(SEQ. ID NO. 92)	102	GA	55 °C
WMS155	5' CAA TCA TTT CCC CCT CCC 3'	(SEQ. ID NO. 93)	5' ATG CAT TGG AAA TCC ATA TGC C 3'	(SEQ. ID NO. 94)	141	CT	60 °C
WMS156	5' CCA ACC GTG CTA TTA GTC ATT C 3'	(SEQ. ID NO. 95)	5' CAA TGC AGG CCC TCC TAA C 3'	(SEQ. ID NO. 96)	277	CT	60 °C
WMS157	5' GTC GTC GCG GTA AGC TTG 3'	(SEQ. ID NO. 97)	5' GAG TGA ACA CAC GAG GCT TG 3'	(SEQ. ID NO. 98)	106	CT	60 °C
WMS159	5' GGG CCA ACA CTG GAA CAC 3'	(SEQ. ID NO. 99)	5' GCA GAA GCT TGT TGG TAG GC 3'	(SEQ. ID NO. 100)	192	CT	60 °C
WMS160	5' TTC ATT TCA GTC TTG GCT TG 3'	(SEQ. ID NO. 101)	5' CTG CAG GAA AAA AAG TAC ACC C 3'	(SEQ. ID NO. 102)	184	GA	60 °C
WMS161	5' GAT CGA GTG ATG GCA GAT GG 3'	(SEQ. ID NO. 103)	5' TGT GAA TTA CCT GGA CCT GG 3'	(SEQ. ID NO. 104)	154	CT	60 °C
WMS162	5' AGT GGA TCG ACA AAG CTC TGC 3'	(SEQ. ID NO. 105)	5' AGA AGA AGC AAA GCC TTC CC 3'	(SEQ. ID NO. 106)	208	CA	60 °C

WMS163	5' ACC TCG ACA GAC CTG GTG CG 3'	(SEQ. ID NO. 107)	5' GTC TTT GTC ACC CGA TGG AC 3'	(SEQ. ID NO. 108)	127	CT	55 °C
WMS164	5' ACA TTT CTC CCC CAT CGT C 3'	(SEQ. ID NO. 109)	5' TTG TAA ACA AAT CGC ATG CG 3'	(SEQ. ID NO. 110)	120	CT	55 °C
WMS165	5' TGC AGT GGT CAG ATG TTT CC 3'	(SEQ. ID NO. 111)	5' CTT TTC TTT CAG ATT GCG CC 3'	(SEQ. ID NO. 112)	129	CA	60 °C
WMS169	5' ACC ACT CGA GAG AAC ACA TAC G 3'	(SEQ. ID NO. 113)	5' GTG CTC TCC TCT AAG TGT GGG 3'	(SEQ. ID NO. 114)	126	GA	60 °C
WMS174	5' GGG TTC CTA TCT AGT AAA TCCC 3'	(SEQ. ID NO. 115)	5' GAC ACA CAT GTT CCT GCC AC 3'	(SEQ. ID NO. 116)	173	CT	55 °C
WMS179	5' AAC TTG AGT TCA TCC GGG AG 3'	(SEQ. ID NO. 117)	5' CCA TGA CCA GCA TCC ACT C 3'	(SEQ. ID NO. 118)	181	CT	55 °C
WMS180	5' ATC CGC CTA ACG AAT AGT GT 3'	(SEQ. ID NO. 119)	5' GAT CGC ACQ GGA GAG AGA G 3'	(SEQ. ID NO. 120)	84	CT	50 °C
WMS181	5' TCA TTG GTA ATG AGG AGA GA 3'	(SEQ. ID NO. 121)	5' GAA CCA TTC ATG TCC ATG TC 3'	(SEQ. ID NO. 122)	135	GA	50 °C
WMS182	5' TGA TGT AGT GAG CCC ATA GGC 3'	(SEQ. ID NO. 123)	5' TTG CAC ACA GCA AAA TAA GG 3'	(SEQ. ID NO. 124)	165	CT	60 °C
WMS186	5' CGA GAG CCT GGT TCA AAA AG 3'	(SEQ. ID NO. 125)	5' CGC CTC TAG CGA GAG CTA TG 5'	(SEQ. ID NO. 126)	140	GA	60 °C
WMS189	5' AGG ACC ACC GGA ACC AAC 3'	(SEQ. ID NO. 127)	5' AGA AAT ACC GAA ACC CACCC 3'	(SEQ. ID NO. 128)	117	CA	55 °C
WMS190	5' GTG CTT GCT GGT GAG CTA TGA GTC 3'	(SEQ. ID NO. 129)	5' GTG CCA CCT GGT ACC TTT G 3'	(SEQ. ID NO. 130)	>201	CT,GT	60 °C
WMS191	5' AGA CTG TTG TTG GCG GGC 3'	(SEQ. ID NO. 131)	5' TAG CAC AAC AGT TGT ATG CAT G 3'	(SEQ. ID NO. 132)	128	CT	60 °C
WMS192	5' GGT TTT CTT TCA GAT TGGCC 3'	(SEQ. ID NO. 133)	5' CGT TGT CTA ATC TTG CCT TCC 3'	(SEQ. ID NO. 134)	191	CT	60 °C
WMS193	5' CTT TGT GCA CCT CTC TCT CC 3'	(SEQ. ID NO. 135)	5' AAT TGT GTT GAT GATTG GGG 3'	(SEQ. ID NO. 136)	171	CT,CA	60 °C
WMS194	5' GAT CTG CTC TAC TCT CCT CC 3'	(SEQ. ID NO. 137)	5' CGA CGC AGA ACT TAA ACA AG 3'	(SEQ. ID NO. 138)	131	CT	50 °C
WMS195	5' AGG TGC CGT CGC GTC TAC 3'	(SEQ. ID NO. 139)	5' ACC CCC CAC GTC AGA GAG 3'	(SEQ. ID NO. 140)	108	CT	60 °C
WMS197	5' GAG AAA GAG GTC TGG AGG TCC 3'	(SEQ. ID NO. 141)	5' CAA AAT GCA CAA GAA TGG AGG 3'	(SEQ. ID NO. 142)	126	CT	60 °C
WMS198	5' TTG AAC CGG AAG GAG TAC AG 3'	(SEQ. ID NO. 143)	5' TCA GTT TAT TTT GGG CAT GTG 3'	(SEQ. ID NO. 144)	130	CA	60 °C
WMS200	5' TCA ACG GAA CAG ATG AGC G 3'	(SEQ. ID NO. 145)	5' GAC CTG ATG AGA GCA AGC AC 3'	(SEQ. ID NO. 146)	250	CT	60 °C
WMS203	5' CCC AAA GCA CGC CAA GC 3'	(SEQ. ID NO. 147)	5' ACC AAT GCT ATC GGC TCG 3'	(SEQ. ID NO. 148)	139	CA,GA	55 °C
WMS205	5' CGA CCC CGT TCA CCT CG 3'	(SEQ. ID NO. 149)	5' AGT CGC CGT TGT ATA GTG CC 3'	(SEQ. ID NO. 150)	152	CT	60 °C
WMS210	5' TCC ATC AAO AAT ATG GTG GAA G 3'	(SEQ. ID NO. 151)	5' TGA GAG GAA GGC TCA CAC CT 3'	(SEQ. ID NO. 152)	192	GA	60 °C
WMS212	5' AAG CAA CATT TTG CTG CAA TG 3'	(SEQ. ID NO. 153)	5' TGC AGT TAA CCT GTT GAA AGG A 3'	(SEQ. ID NO. 154)	104	CT	60 °C
WMS213	5' TCC CTG GCT CGT TCT ATC TC 3'	(SEQ. ID NO. 155)	5' CTA GCT TAG CAC TGT CGC CC 3'	(SEQ. ID NO. 156)	184	GA	60 °C
WMS218	5' CGG CAA ACC GAT ATC GAC 3'	(SEQ. ID NO. 157)	5' AAC AGT AAC TCT CGC CGT AGC C 3'	(SEQ. ID NO. 158)	149	CT	60 °C
WMS219	5' GAT GAG CGA CAC CTA GCCTC 3'	(SEQ. ID NO. 159)	5' GGG GTC CGA GTC CAC AAC 3'	(SEQ. ID NO. 160)	181	GAimp	60 °C
WMS224	5' TGA GTC CAG CAC TGC TGC 3'	(SEQ. ID NO. 161)	5' CAA CAT CGG CTC GTA TTC AA 3'	(SEQ. ID NO. 162)	142	CT	50 °C

WMS228	5' TCA TAT GCA CCT CTT TCCTAG G 3'	(SEQ. ID NO. 163)	5' GTC TAC CAC CTT TGA CCT C 3'	(SEQ. ID NO. 164)	210	CT,CA	60 °C
WMS231	5' AQC TCG GGA TGA AGC GTG 3'	(SEQ. ID NO. 165)	5' GAT CGG CGG CTC CTT TT 3'	(SEQ. ID NO. 166)	130	GAimp	60 °C
WMS232	5' ATC TCA ACG GCA AGC CG 3'	(SEQ. ID NO. 167)	5' CTC ATG CAA GCA ATC CAC C 3'	(SEQ. ID NO. 168)	141	GA	55 °C
WMS233	5' TCA AAA CAT AAA TGT TCA TTG GA 3'	(SEQ. ID NO. 169)	5' TCA ACC GTG TGT ATT TTG CTCC C 3'	(SEQ. ID NO. 170)	261	CT	60 °C
WMS234	5' GAG TCC TCA TGT GAA GCT GTT G 3'	(SEQ. ID NO. 171)	5' CTC ATT GGG GTC TGT AGC TGT 3'	(SEQ. ID NO. 172)	241	CT,CA	55 °C
WMS237	5' GAA TCA CTT GTG AAG CAT CTG G 3'	(SEQ. ID NO. 173)	5' CTC GAT GCA TCA CAT CCA AC 3'	(SEQ. ID NO. 174)	137	CT	55 °C
WMS238	5' TCG CTT CTA CGG CTC ACC 3'	(SEQ. ID NO. 175)	5' AGT GCC TTG CGG AGG TC 3'	(SEQ. ID NO. 176)	204	CT,GT,GGT	55 °C
WMS241	5' TCT TCC AAC TAA AGC ATA GC 3'	(SEQ. ID NO. 177)	5' CTT CCA TGG ACT ACA TAC TAC G 3'	(SEQ. ID NO. 178)	146	GA	55 °C
WMS242	5' TCC AAG GCA GTA GGC AGG 3'	(SEQ. ID NO. 179)	5' TGT TGT TGT TGG CCT GTA TGC AT 3'	(SEQ. ID NO. 180)	142	GA	55 °C
WMS244	5' GGC AGC TGA GGC AAT CTG 3'	(SEQ. ID NO. 181)	5' TTT GGA CAT TTC CCA GCG 3'	(SEQ. ID NO. 182)	227	CAimp	60 °C
WMS245	5' CAG CGC AGT TAG CTC GC 3'	(SEQ. ID NO. 183)	5' ATC TGT CCA TTG GAC GCG 3'	(SEQ. ID NO. 184)	141	CT	60 °C
WMS247	5' GCA ATC TTT TTT CTG ACC AGC 3'	(SEQ. ID NO. 185)	5' ATG TGC ATG TCG GAC GCG 3'	(SEQ. ID NO. 186)	158	GA	60 °C
WMS248	5' AGG ACT TCC GCA CCC TG 3'	(SEQ. ID NO. 187)	5' TGG CGT GGT CTA AAC GGA C 3'	(SEQ. ID NO. 188)	185	CA	60 °C
WMS249	5' CAA ATG GAT CGA GAA AGG GA 3'	(SEQ. ID NO. 189)	5' CTG CCA TTG TTC TGG ATC TAC C 3'	(SEQ. ID NO. 190)	177	GAimp	60 °C
WMS251	5' CAA CTG GTT GCT ACA CAA GCA 3'	(SEQ. ID NO. 191)	5' GGG ATG TCT GTT CCA TCT TAG 3'	(SEQ. ID NO. 192)	103	CA	55 °C
WMS255	5' CAA CTG TAC GTA GGT TTC ATT GC 3'	(SEQ. ID NO. 193)	5' TCT GCC GTA AGT CGC CTC 3'	(SEQ. ID NO. 194)	148	GA	55 °C
WMS257	5' AGA CTG CAT GGT GGG AGC 3'	(SEQ. ID NO. 195)	5' CCA AGA CGA TGC TGA AGT CA 3'	(SEQ. ID NO. 196)	192	CT	60 °C
WMS258	5' GAT CGC TTG ATC TCT CTG TCT C 3'	(SEQ. ID NO. 197)	5' GTC CAC GCC GTC GGC CC 3'	(SEQ. ID NO. 198)	>81	CT	60 °C
WMS259	5' AGG GAA AGG ACA TCT TTT TTG 3'	(SEQ. ID NO. 199)	5' CGA CGG ACT TCG GGT TC 3'	(SEQ. ID NO. 200)	105	GA	55 °C
WMS260	5' GCG CCC TTG CAC AAA TC 3'	(SEQ. ID NO. 201)	5' CGC AGC TAC AGG AGG CGC 3'	(SEQ. ID NO. 202)	157	GA	55 °C
WMS261	5' CTC CCT GTC GCA CGC CTA AGC C 3'	(SEQ. ID NO. 203)	5' CTC CGC GTC CTA GCA GCC ATT G 3'	(SEQ. ID NO. 204)	192	CT	55 °C
WMS263	5' TCT GGC GTC ACT CGC CTC 3'	(SEQ. ID NO. 205)	5' GGT TTG ATT GCT TCC CCT AA 3'	(SEQ. ID NO. 206)	134	CT	55 °C
WMS264	5' GAG AAA CAT GGC GAA CAA CA 3'	(SEQ. ID NO. 207)	5' GCA TGC ATG AGA ATA GGA ACT G 3'	(SEQ. ID NO. 208)	219	CA	60 °C
WMS265	5' TGT TCC GGA TGG TCA CTA TT 3'	(SEQ. ID NO. 209)	5' GAG TAC ACA TTT GGC CTC TGC 3'	(SEQ. ID NO. 210)	200	CT	55 °C
WMS268	5' AGG GGA TAT GTT GTC ACT CCA 3'	(SEQ. ID NO. 211)	5' TTA TGT GAT TGC GTC CGT ACC C 3'	(SEQ. ID NO. 212)	241	GAimp	55 °C
WMS269	5' TGC ATTA TAA ACA GTC ACA CAC CC 3'	(SEQ. ID NO. 213)	5' TTT GAG CTC CAA AGT GAG TCA GC 3'	(SEQ. ID NO. 214)	>148	CA	60 °C
WMS271	5' CAA GAT CCT GGA GCC AGC 3'	(SEQ. ID NO. 215)	5' AGC TGC TAG CTT TTG GGA CA 3'	(SEQ. ID NO. 216)	162	CT,GA	60 °C
WMS272	5' TGC TCT TTG GCG AAT ATA TGG 3'	(SEQ. ID NO. 217)	5' GTT CAA AAC AAA TTA AAA GGC CCT 3'	(SEQ. ID NO. 218)	140	CA	55 °C

WMS273	5' ATT GCA CGG ACA GAT GCT TT 3'	(SEQ. ID NO. 219)	5' AOC AGT GAG GAA GGG GAT C 3'	(SEQ. ID NO. 220)	167	GA	55 °C
WMS274	5' ACT TTG CAA AAC TGT TCT GA 3'	(SEQ. ID NO. 221)	5' TAT TTC AAG CGG TTT GAT TT 3'	(SEQ. ID NO. 222)	179	GT	50 °C
WMS275	5' AAT TT CTT CCT CAC TTA TTCT 3'	(SEQ. ID NO. 223)	5' AAC AAA AAA TTA GGG CC 3'	(SEQ. ID NO. 224)	107	CT	50 °C
WMS276	5' ATT TUC CTG AAG AAA ATA TT 3'	(SEQ. ID NO. 225)	5' AAT TTC ACT GCA TAC ACA AG 3'	(SEQ. ID NO. 226)	99	CT	55 °C
WMS278	5' GTT GCT TCA TGA ACC CTC AA 3'	(SEQ. ID NO. 227)	5' CTG CCC AAT TTT CTC CACTC 3'	(SEQ. ID NO. 228)	241	CT,Guo,Guo	55 °C
WMS281	5' CGG CCA TAT TTC TGT AAG TAT GC 3'	(SEQ. ID NO. 229)	5' GCA GGT AAT GGC CGG AC 3'	(SEQ. ID NO. 230)	135	CT	60 °C
WMS282	5' TTG GCC GTG TAA GGC AG 3'	(SEQ. ID NO. 231)	5' TCT CATTCA CAC ACA ACA CTA GC 3'	(SEQ. ID NO. 232)	220	GA	55 °C
WMS284	5' AAT GAA AAA ACA CTT GCG TGG 3'	(SEQ. ID NO. 233)	5' GCA CAT TTT TCA CTT TGG GG 3'	(SEQ. ID NO. 234)	123	GA	60 °C
WMS285	5' ATG ACC CTT CTG CCA AAC AC 3'	(SEQ. ID NO. 235)	5' ATC GAC CGG GAT CTA GCC 3'	(SEQ. ID NO. 236)	243	GA	60 °C
WMS291	5' CAT CCT TAC GGC ACT CTG C 3'	(SEQ. ID NO. 237)	5' NAT GGT ATC TAT TCC GAC CCG 3'	(SEQ. ID NO. 238)	>158	CA	60 °C
WMS292	5' TCA CGG TGG TCA CCG AC 3'	(SEQ. ID NO. 239)	5' CCA CCG AGC CGA TAA TGT AC 3'	(SEQ. ID NO. 240)	220	CT	60 °C
WMS293	5' TAC TGG TTC ACA TTG GTT CG 3'	(SEQ. ID NO. 241)	5' TCG CCA TCA CTC GTT CAA G 3'	(SEQ. ID NO. 242)	201	CA	55 °C
WMS294	5' GGA TTG GAG TTA AGA GAG AAC CG 3'	(SEQ. ID NO. 243)	5' GCA GAG TGA ATA CCA GA 3'	(SEQ. ID NO. 244)	160	GA,Guo	55 °C
WMS295	5' GTG AAG CAG ACC CAC AAC AC 3'	(SEQ. ID NO. 245)	5' GAC GGC TGC GAC GTC GAG 3'	(SEQ. ID NO. 246)	258	GA	60 °C
WMS296	5' ATT TCA ACC TAC CAA TCT CTG 3'	(SEQ. ID NO. 247)	5' GCC TAA TAA ACT GAA AAC GAG 3'	(SEQ. ID NO. 248)	149	CT	55 °C
WMS297	5' ATC GTC ACC TAT TTT OCA ATG 3'	(SEQ. ID NO. 249)	5' TCG GTA ACT CTA GCA TTT TCT G 3'	(SEQ. ID NO. 250)	150	GT, GA	55 °C
WMS299	5' ACT ACT TAG GGC TCC CGC C 3'	(SEQ. ID NO. 251)	5' TGA CCC ACT TGC AAT TCA TC 3'	(SEQ. ID NO. 252)	208	GA, TAC	55 °C
WMS301	5' GAG GAG TAA GAC ACA TGC CC 3'	(SEQ. ID NO. 253)	5' CTG GCT GAA GAT TCA GGT TC 3'	(SEQ. ID NO. 254)	204	GA, G	55 °C
WMS302	5' GCA AGA AGC AAC AGC AGT AAC 3'	(SEQ. ID NO. 255)	5' CAG ATG CTC TCT TCT GCT GG 3'	(SEQ. ID NO. 256)	180 (340)	GA	60 °C
WMS304	5' AGG AAA CAG AAA TAT CGC GG 3'	(SEQ. ID NO. 257)	5' AGG ACT GTG GGG AAT GAA TG 3'	(SEQ. ID NO. 258)	217	CT	55 °C
WMS311	5' TCA CGT GAA AGA CGC TCC 3'	(SEQ. ID NO. 259)	5' CTA CGT GCA CGA CGA TTT TG 3'	(SEQ. ID NO. 260)	151	GA	60 °C
WMS312	5' ATC GCA TCA TGC AGC TAG AG 3'	(SEQ. ID NO. 261)	5' ACA TGC ATG CCT ACC TAA TGG 3'	(SEQ. ID NO. 262)	233	GA	60 °C
WMS313	5' CGG CGC TCA TTA AGT TTC AC 3'	(SEQ. ID NO. 263)	5' TTT GAC AAG TAC AGC AGT CTG C 3'	(SEQ. ID NO. 264)	156	CT,GT	55 °C
WMS314	5' AGG AGC TCC TCT GTG CGA C 3'	(SEQ. ID NO. 265)	5' TTC GGG AGT CTC TCC CCT G 3'	(SEQ. ID NO. 266)	170	CT	55 °C
WMS316	5' CAT GGA CAT TTT ACC AGA AGA C 3'	(SEQ. ID NO. 267)	5' TCG GTC TGG TCC ACC TC 3'	(SEQ. ID NO. 268)	176	AT,GT	55 °C
WMS319	5' GGT TGC TGT ACA AGT GTT CAC G 3'	(SEQ. ID NO. 269)	5' CGG GTG CTG TGT GTC ATG AC 3'	(SEQ. ID NO. 270)	200	CT	55 °C
WMS320	5' CGA GAT ACT ATG GAA GGT GAO G 3'	(SEQ. ID NO. 271)	5' ATC TTT GCA AGG ATT GCC C 3'	(SEQ. ID NO. 272)	>263	GT,GA	55 °C
WMS321	5' GAA TGT GGA GAC GGT GTG C 3'	(SEQ. ID NO. 273)	5' TGT TGC ATG CGA TCA TGC 3'	(SEQ. ID NO. 274)	265	GT,Guo	60 °C

WMS322	5' TCA CAA AAT GAT TTC TCA TCCG 3'	(SEQ. ID NO. 275)	5' TGC AGA AAG CCA AGA AGG G 3'	(SEQ. ID NO. 276)	119	GA	55 °C
WMS325	5' TTT CTT CTG TCG TCT TCC C 3'	(SEQ. ID NO. 277)	5' TTT TTA CGC GTC AAC GAC G 3'	(SEQ. ID NO. 278)	131	CT	55 °C
WMS328	5' GCA ATC CAC GAG AAG AGA G 3'	(SEQ. ID NO. 279)	5' CAC AAA CTC TTG ACA TGT GCG 3'	(SEQ. ID NO. 280)	193	GT	55 °C
WMS330	5' TTG CTA TCC ATG TCC CAG AG 3'	(SEQ. ID NO. 281)	5' ACA TGT TTC ATG CAG GTA GCC 3'	(SEQ. ID NO. 282)	165	GT	55 °C
WMS332	5' AGC CAG CAA GTC ACC AAA AC 3'	(SEQ. ID NO. 283)	5' AGT GCT GGA AAG AGT AGT GAA GC 3'	(SEQ. ID NO. 284)	211	GA	60 °C
WMS333	5' GCC CGG TCA TGT AAA ACG 3'	(SEQ. ID NO. 285)	5' TTT CAG TTT GCG TTA AGC TTG 3'	(SEQ. ID NO. 286)	150	GA	55 °C
WMS334	5' AAT TTC AAA AAG GAG AGA GA 3'	(SEQ. ID NO. 287)	5' AAC ATG TGT TTT TAG CTA TC 3'	(SEQ. ID NO. 288)	123	GA	50 °C
WMS335	5' CGT ACT CCA CTC CAC ACG G 3'	(SEQ. ID NO. 289)	5' CGG TCC AAG TGCT TAC TTT TC 3'	(SEQ. ID NO. 290)	187 (225)	GA,GCCT	55 °C
WMS336	5' CCC TTT AAT CTC OCT OCC TC 3'	(SEQ. ID NO. 291)	5' GTC TCT TCT TCG TAC TTT CAGG 3'	(SEQ. ID NO. 292)	108	CT	55 °C
WMS337	5' CCT CTT CCT CCC TCA CTT ACC 3'	(SEQ. ID NO. 293)	5' TGC TAA CTG GCC TTT GCC 3'	(SEQ. ID NO. 294)	183	CT,CACT,CA	55 °C
WMS339	5' AAT TTT CTT CCT CAC TAA TT 3'	(SEQ. ID NO. 295)	5' AAA CGA ACA ACC ACT CAA TC 3'	(SEQ. ID NO. 296)	159	CT	50 °C
WMS340	5' GCA ATC TTT TTT CTG ACC ACC 3'	(SEQ. ID NO. 297)	5' AGC AGG CAA GAA CAC ACA TG 3'	(SEQ. ID NO. 298)	132	GA	60 °C
WMS341	5' TTC AGT GGT AGC GGT CGA G 3'	(SEQ. ID NO. 299)	5' CCG ACA TCT CAT GGA TCC AC 3'	(SEQ. ID NO. 300)	133 (150)	CT	55 °C
WMS342	5' TAT CCA GAG CAG AGG GAC G 3'	(SEQ. ID NO. 301)	5' GGT CTA GCT TCG ACC ACA CC 3'	(SEQ. ID NO. 302)	169	CT	55 °C
WMS344	5' CAA GGA AAT AGG CGG TAA CT 3'	(SEQ. ID NO. 303)	5' ATT TGA GTG TGA AGT TTG CA 3'	(SEQ. ID NO. 304)	131	CT	55 °C
WMS346	5' CAA GCA AGG TTT CGT TTT ATC C 3'	(SEQ. ID NO. 305)	5' GCA TGT GGT CCA TGT ACT GC 3'	(SEQ. ID NO. 306)	203	AT,GT	55 °C
WMS349	5' GGCTTC CAG AAA ACA ACA GG 3'	(SEQ. ID NO. 307)	5' ATC GGT GCG TAC CAT CCT AC 3'	(SEQ. ID NO. 308)	230	GA	55 °C
WMS350	5' ACC TCA TCC ACA TGT TCT AGC 3'	(SEQ. ID NO. 309)	5' GCA TGG ATA GGA CGC CC 3'	(SEQ. ID NO. 310)	146	GT	55 °C
WMS353	5' CCA TGT TGA GTA GGT TCA GGC 3'	(SEQ. ID NO. 311)	5' CTT GGC CAG AAG CTA CGA AC 3'	(SEQ. ID NO. 312)	179	GGGT,GT	60 °C
WMS356	5' AGC GTT CTT GGG AAT TAG AOA 3'	(SEQ. ID NO. 313)	5' CCA ATC ACC CTC CAA CAA C 3'	(SEQ. ID NO. 314)	224	GA	55 °C
WMS357	5' TAT GGT CAA AGT TGG ACC TCG 3'	(SEQ. ID NO. 315)	5' AGG CTG CAG GTC TTG TTC AG 3'	(SEQ. ID NO. 316)	123	GA	55 °C
WMS358	5' AAA CAG CGG ATT TCA TGG AG 3'	(SEQ. ID NO. 317)	5' TCG GCT GTT GTT CTC ATC TC 3'	(SEQ. ID NO. 318)	164	GAimp	55 °C
WMS359	5' CTA ATT GCA ACA GGT CAT GGG 3'	(SEQ. ID NO. 319)	5' TAC TTG TGT TCT GGG ACA ATG G 3'	(SEQ. ID NO. 320)	217	CT,CTTimp	55 °C
WMS361	5' GTC ACT TGT TGC CAA AGG GG 3'	(SEQ. ID NO. 321)	5' ACA AAG TUG CAA AAG GAG ACA 3'	(SEQ. ID NO. 322)	126	GAimp	60 °C
WMS368	5' CCA TTT CAC CTA ATG CCT GC 3'	(SEQ. ID NO. 323)	5' AAT AAA ACC ATG AGC TCA CTT GCT 3'	(SEQ. ID NO. 324)	249	AT	60 °C
WMS369	5' CTG CAG GCC ATG ATG ATG 3'	(SEQ. ID NO. 325)	5' ACC GTG GGT GTT GTG AGC 3'	(SEQ. ID NO. 326)	188	CTimp	60 °C
WMS371	5' GAC CAA GAT ATT CAA ACT GCC C 3'	(SEQ. ID NO. 327)	5' AGC TCA GCT TGC TTG GTA CC 3'	(SEQ. ID NO. 328)	170	CA,GA	60 °C
WMS372	5' AAT AGA GCC CTC GGA CTG GG 3'	(SEQ. ID NO. 329)	5' GAA GGA CGA CAT TCC ACC TG 3'	(SEQ. ID NO. 330)	>329	GA	60 °C

WMS374	5' ATA GTG TGT TGC ATG CTG TGT G 3' (SEQ. ID NO. 331)	5' TCT AAT TAG GGT TGG CTG CC 3' (SEQ. ID NO. 332)	213	GT	60 °C
WMS375	5' ATT GGC GAC TCT AGC ATA TAC G 3' (SEQ. ID NO. 333)	5' GGG ATG TCT GTT CCA TCT TAG C 3' (SEQ. ID NO. 334)	156	CA	55 °C
WMS376	5' GGG CTA GAA AAC AGG AAG GC 3' (SEQ. ID NO. 335)	5' TCT CCC GGA GGG TAG GAG 3' (SEQ. ID NO. 336)	147	CA, GAGimp	60 °C
WMS382	5' GTC AGA TAA CGC CGT CCA AT 3' (SEQ. ID NO. 337)	5' CTA CGT GCA CCA CCA TTT TD 3' (SEQ. ID NO. 338)	115	GA	60 °C
WMS383	5' ACC CCA GTT GAT CGG TAA AC 3' (SEQ. ID NO. 339)	5' GAC ATC AAT AAC CGT GGA TGG 3' (SEQ. ID NO. 340)	195	GT	60 °C
WMS384	5' TTT TCA TTG TGC CCT CTA CT 3' (SEQ. ID NO. 341)	5' GCC AAG TTT CTT AGC TAG TAA 3' (SEQ. ID NO. 342)	204	GTimp	55 °C
WMS388	5' CTA CAA TTC GAA GGA GAA GGG 3' (SEQ. ID NO. 343)	5' CAC CGC GTC ACT ACT TA AGC 3' (SEQ. ID NO. 344)	162	CT,CA,CA	60 °C
WMS389	5' ATC ATG TCG ATC TCC TTG AGC 3' (SEQ. ID NO. 345)	5' TGC CAT GCA CAT TAG GAG AT 3' (SEQ. ID NO. 346)	130	CT,GT	60 °C
WMS390	5' AAG TTT CAC ACA AGA TCT CTC C 3' (SEQ. ID NO. 347)	5' TGA CAA GTA CAC GAG TCT GC 3' (SEQ. ID NO. 348)	143	CT,GT	55 °C
WMS391	5' ATA GCG AAG TCT CCC TAC TCC A 3' (SEQ. ID NO. 349)	5' ATG TGC ATG TCG GAC GC 3' (SEQ. ID NO. 350)	150	CA,GA	55 °C
WMS393	5' TCA TCT GCT ATT TGT GCT ACA 3' (SEQ. ID NO. 351)	5' TCA AAT ACA CCA ATG TGC C 3' (SEQ. ID NO. 352)	107	CA	55 °C
WMS395	5' TAC AAC CGC AAC TAA TGC CAA 3' (SEQ. ID NO. 353)	5' TAC CAA AAC CCT AGC CCT TG 3' (SEQ. ID NO. 354)	147	CA	60 °C
WMS397	5' TGT CAT GGA TTA TTT GGT CGG 3' (SEQ. ID NO. 355)	5' CTG CAC TCT CGG TAT ACC AGC 3' (SEQ. ID NO. 356)	179	CT	55 °C
WMS400	5' GTG CTG CCA CCA CCT GC 3' (SEQ. ID NO. 357)	5' TGT AGG CAC TCT TTG GGA G 3' (SEQ. ID NO. 358)	139	CA	60 °C
WMS403	5' CGA CATT TGG CTT CGG TG 3' (SEQ. ID NO. 359)	5' ATA AAA CAG TGC AGT CCA GG 3' (SEQ. ID NO. 360)	133	CA	55 °C
WMS408	5' TCG ATT TAT TGT GGC CAC TG 3' (SEQ. ID NO. 361)	5' GTA TAA TTC GTT CAC AGC ACGC 3' (SEQ. ID NO. 362)	176	CA	55 °C
WMS410	5' GCT TGA GAC CGG CAC AGT 3' (SEQ. ID NO. 363)	5' CGA GAC CTT GTG GGT CTA GA 3' (SEQ. ID NO. 364)	354	CA	55 °C
WMS411	5' CCC ATA CGA TGA TGT GTT TCC 3' (SEQ. ID NO. 365)	5' CAA ACC GAA CAT GGT CCC 3' (SEQ. ID NO. 366)	148	CT	55 °C
WMS412	5' ATC AAC AAG GTT TGT GTG TTGG 3' (SEQ. ID NO. 367)	5' ATG AAA CGC GAC CTC CCC 3' (SEQ. ID NO. 368)	121	GA	55 °C
WMS413	5' TCC TTA TCT AGA ACT TGG CTT GGG 3' (SEQ. ID NO. 369)	5' GAT CCT CTC GTC CTT GCC A 3' (SEQ. ID NO. 370)	94	GA	60 °C
WMS415	5' GAT CTC CCA TGT CGG CC 3' (SEQ. ID NO. 371)	5' CGA CAG TCG TCA CTT GCC TA 3' (SEQ. ID NO. 372)	131	GAimp	55 °C
WMS425	5' GAG CCC ACA AGC TGG CA 3' (SEQ. ID NO. 373)	5' TCG TTC TCC CAA GGC TTG 3' (SEQ. ID NO. 374)	>143	CT	60 °C
WMS427	5' AAA CTT AGA ACT GTA ATT TCA GAA 3' (SEQ. ID NO. 375)	5' ACT GTG TTC ATT TGA CAG TT 3' (SEQ. ID NO. 376)	215	CA	50 °C
WMS428	5' CGA GGC AGC GAG GAT TT 3' (SEQ. ID NO. 377)	5' TTC TCC ACT AGC CCC GC 3' (SEQ. ID NO. 378)	143	GA	60 °C
WMS429	5' TTG TAC ATT AAG TTC CCA TTA 3' (SEQ. ID NO. 379)	5' TTT AAG GAC CTA CAT GAC AC 3' (SEQ. ID NO. 380)	221 (290)	CT	50 °C
WMS434	5' ATG AGT TCC GCC AAA GAA TG 3' (SEQ. ID NO. 381)	5' ACG AAA TAC ACA AGT GGG ACA 3' (SEQ. ID NO. 382)	216	CT	55 °C
WMS447	5' GAT CAA GAC TTT TGT ATC TCT C 3' (SEQ. ID NO. 383)	5' GAT GTC CAA CAG TTA GCT TA 3' (SEQ. ID NO. 384)	109	CT	50 °C
WMS449	5' CCT ATG GTC TCC ATC ATG AGG 3' (SEQ. ID NO. 385)	5' TCA TGT CAA CTC AAC AAC ACC 3' (SEQ. ID NO. 386)	112	CT	55 °C

WMS443	5' GGG TCT TCA TCC GGA ACT CT 3' (SEQ. ID NO. 387)	5' CCA TGA TTT ATA ATT TCC ACC 3' (SEQ. ID NO. 388)	134	CAGA	55 °C
WMS445	5' TTT GTT GGG GGT TAG GAT TAG 3' (SEQ. ID NO. 389)	5' CCT TAA CAC TTT CTG GTG A 3' (SEQ. ID NO. 390)	192	CT	55 °C
WMS448	5' AAA CCA TAT TGG GAG GAA AGG 3' (SEQ. ID NO. 391)	5' CAC ATG CCA TCA CATT TGG TG 3' (SEQ. ID NO. 392)	231	GA	60 °C
WMS449	5' ATT CGG TCC GCT AGC TAC CA 3' (SEQ. ID NO. 393)	5' ACG GAG AGC AAC CTG CC 3' (SEQ. ID NO. 394)	151	GTrmp	55 °C
WMS456	5' TCT GAA CATTAC ACA ACC CTG A 3' (SEQ. ID NO. 395)	5' TGC TCT CTC TGA ACC TGA ACG 3' (SEQ. ID NO. 396)	132	GA	55 °C
WMS458	5' AAT GGC AAT TGG AAG ACA TAG C 3' (SEQ. ID NO. 397)	5' TTC GCA ATG TGG ATT TGG C 3' (SEQ. ID NO. 398)	113	CA	60 °C
WMS459	5' ATG GAG TGG TCA CAC TTT GAA 3' (SEQ. ID NO. 399)	5' ACG TTC TCT GAC CAA CTT CTCC C 3' (SEQ. ID NO. 400)	>138	GA	55 °C
WMS460	5' CAA CTC ACT GCT CAC ACA ACG 3' (SEQ. ID NO. 401)	5' CGA TAA CCA CTC ATC CAC ACC 3' (SEQ. ID NO. 402)	>156	CT	60 °C
WMS471	5' CGG CCC TAT CAT GGC TG 3' (SEQ. ID NO. 403)	5' CCT TGC AAC TTC CAT TTT GC 3' (SEQ. ID NO. 404)	149	CA	60 °C
WMS473	5' TCA TAC GGG TAT GGT TGG AC 3' (SEQ. ID NO. 405)	5' CAC CCC CTT GTT GGT CAC 3' (SEQ. ID NO. 406)	220	GTrmp	55 °C
WMS476	5' ATG GGT TCG TAC TAA CAT CAG C 3' (SEQ. ID NO. 407)	5' TTG CTG GTC GAA GCT TCA ATC CC 3' (SEQ. ID NO. 408)	>194	GA	60 °C
WMS480	5' TGC TGC TAC TGG TAC AGA GGA C 3' (SEQ. ID NO. 409)	5' CGG ATT TGT CGG CGA TAG 3' (SEQ. ID NO. 410)	188	CT, CA	60 °C
WMS484	5' ACA TCG CTC TTC ACA AAC CC 3' (SEQ. ID NO. 411)	5' ACT TCC CGT CAT GCG TAG G 3' (SEQ. ID NO. 412)	145	CT	55 °C
WMS494	5' ATT GAA CAG GAA GAC ATC AGG G 3' (SEQ. ID NO. 413)	5' TTC CTG GAG CTC TCT GGC 3' (SEQ. ID NO. 414)	198	CA	60 °C
WMS495	5' GAG AGC CTC GCG AAA TAT AGG 3' (SEQ. ID NO. 415)	5' TGC TTC TGG TGT TCC TTC TIC G 3' (SEQ. ID NO. 416)	168	GA	60 °C
WMS497	5' GTA GTG AAG ACA AGG GCA TT 3' (SEQ. ID NO. 417)	5' CGG AAA GTT GGG TGA TAT AC 3' (SEQ. ID NO. 418)	>106	GTrmp	55 °C
WMS499	5' ACT TGT ATG CTC CAT TGA TTG G 3' (SEQ. ID NO. 419)	5' GGG GAG TGG AAA CTG CAT AA 3' (SEQ. ID NO. 420)	145	GA	60 °C
WMS501	5' GGC TAT CTC TGG CGCTAA AA 3' (SEQ. ID NO. 421)	5' TCC ACA AAC AAG TAG CGCC C 3' (SEQ. ID NO. 422)	172	CA	60 °C
WMS512	5' AGC CAC CAT CAG CAA AAA TT 3' (SEQ. ID NO. 423)	5' GAA CAT GAC CAG CTT GGC AC 3' (SEQ. ID NO. 424)	185	GT	60 °C
WMS513	5' ATC CGT AGC ACCT ACT CGG TCA 3' (SEQ. ID NO. 425)	5' GGT CTG TTC ATG CCA CATT TG 3' (SEQ. ID NO. 426)	144	CA	60 °C
WMS515	5' AAC ACA ATG GCA AAT OCA GA 3' (SEQ. ID NO. 427)	5' CCT TCC TAG TAA GTC TCC CTC A 3' (SEQ. ID NO. 428)	134	GTrmp	60 °C
WMS518	5' AAC CAC AAC AAG GGG TGA CA 3' (SEQ. ID NO. 429)	5' CAG GGT GGT GCA TGC AT 3' (SEQ. ID NO. 430)	166	CA	55 °C
WMS530	5' AAA TAG GAC AAC CCA CGG C 3' (SEQ. ID NO. 431)	5' TCA ACT TCT TGG CCT CCA TC 3' (SEQ. ID NO. 432)	186	CT	55 °C
WMS532	5' ACT GCG TGT GCC TAC TAT G 3' (SEQ. ID NO. 433)	5' TCA CTC GCA CTC GAT AGG C 3' (SEQ. ID NO. 434)	142	GT	60 °C
WMS533	5' AAG GCG AAT CAA ACC GAA TA 3' (SEQ. ID NO. 435)	5' GTT GCT TTA GGG GAA AAG CC 3' (SEQ. ID NO. 436)	147	CT, CA	60 °C
WMS537	5' ACA TAA TCC TTC CTG TGC ACC 3' (SEQ. ID NO. 437)	5' GCC ACT TTT GTG TGT TTC CT 3' (SEQ. ID NO. 438)	209	CA, TA	60 °C
WMS538	5' GCA TTT CGG GTG AAC CC 3' (SEQ. ID NO. 439)	5' GTT GCA TGT ATA CGT TAA GCG G 3' (SEQ. ID NO. 440)	147	GTrmp	60 °C
WMS540	5' TCT CACT TGT GAA ATC CTA TTG C 3' (SEQ. ID NO. 441)	5' AGG CAT GGA TAG AGG GGC 3' (SEQ. ID NO. 442)	129	GTrmp	55 °C

WMS544	5' TAG AAT TCT TTA TGG GGT CGC C 3' (SEQ. ID NO. 443)	5' AGG ATT CCA ATC CTT CAA ATT T 3' (SEQ. ID NO. 444)	167	CT, ATCT, CT	55 °C
WMS550	5' CCC ACA AGA ACC TTT GAA GA 3' (SEQ. ID NO. 445)	5' CATTG TGT TOC AAG GCA C 3' (SEQ. ID NO. 446)	150	CT, GT	55 °C
WMS554	5' TGC CCA CAA CGG AAC TTG 3' (SEQ. ID NO. 447)	5' GCA ACC ACC AAC AGC AAC AAA GT 3' (SEQ. ID NO. 448)	160	CT, GTimp	60 °C
WMS555	5' CGG TCA GAT ATG CCT ACCTAG G 3' (SEQ. ID NO. 449)	5' AGT GAG TTA GCC CTC AGC CA 3' (SEQ. ID NO. 450)	142	CA	60 °C
WMS556	5' TCT GTC TAC CCA TGG GAT TTG 3' (SEQ. ID NO. 451)	5' CTC GCT TCG AGG TAA GCA AC 3' (SEQ. ID NO. 452)	130	CA, TA	60 °C
WMS559	5' CGA AAC TTA TTG ATT GAA AT 3' (SEQ. ID NO. 453)	5' TCA ATT TTG ACA GAA GAA TT 3' (SEQ. ID NO. 454)	134	GT	47 °C
WMS570	5' TCG CCT TTT ACA GTC GGC 3' (SEQ. ID NO. 455)	5' ATG GGT AGC TGA GAG CCA AA 3' (SEQ. ID NO. 456)	143	CT, GT	60 °C
WMS573	5' AAG AGA TAA CAT GCA AGA AA 3' (SEQ. ID NO. 457)	5' TTC AAA TAT TTG GGA ACT AC 3' (SEQ. ID NO. 458)	212	CA	50 °C
WMS577	5' ATG GCA TAA TTT GGT GAA ATT G 3' (SEQ. ID NO. 459)	5' TCT TTC AAG CCC AAC TTC TATT 3' (SEQ. ID NO. 460)	133	CATA	55 °C
WMS582	5' AAG CACTAC GAA AAT ATG AC 3' (SEQ. ID NO. 461)	5' TCT TAA GGG GTG TTATCA TA 3' (SEQ. ID NO. 462)	151	CA	50 °C
WMS583	5' TTC ACA CCC AAC CAA TAG CA 3' (SEQ. ID NO. 463)	5' TCT AGG CAG ACA CAT GCC TG 3' (SEQ. ID NO. 464)	165	CA	60 °C
WMS588	5' GAT CCC CAA TTG CAT GTT G 3' (SEQ. ID NO. 465)	5' CTT GCA ACT GGG GGA CAC 3' (SEQ. ID NO. 466)	102	GT	60 °C

\*CS Weizensorte 'Chinese Spring'